

IN THE SPECIFICATION:

Amended Specification on Page 2, Line 5 and Line 11:

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a flow chart illustrating a basic process of the invention.

Fig. 2 is a block diagram illustrating the elements of a preferred form of the invention and their interaction.

Figs. 3a and 3b are a timing chart created from the spreadsheet illustrated in Figs. 8A-D.

Fig. 4A is a heuristic timing diagram.

Fig. 4B is a heuristic timing diagram for explaining various vector signal commands.

Fig. 5 is a graphic user interface illustration for initiating a new timing chart.

Fig. 6 is a graphic user interface illustration for adding clocks to a timing chart.

Fig. 7 is a graphic user interface illustration for adding new signals to a timing chart.

Figs. 8A-D are a spreadsheet used by a preferred embodiment of the invention to create the timing chart of the Figs. 3a and 3b illustration.

Amended Page 5, Line 4 by deleting "32" and replacing it with --21-- and deleting "31" and replacing it with --29--. The clean replacement sentence follows:

The user may modify this data by providing user modifications 21 after viewing either the display 29 or the print from 29.

Amended Page 5, Line 6 by deleting "Fig. 3" and replacing it with --Figs. 3a and 3b-- and deleting Figs. 8"A-F" and replacing it with Figs. 8--A-D--. The clean corrected sentence follows:

A2

Figs. 3a and 3b illustrates a sample drawing or plot of a timing chart 30 drawn from the spreadsheet file represented in Figs. 8A-D.

Page 15, Line 3 by deleting "Fig. 3" and replacing it with --Figs. 3a and 3b-- and deleting "Figures 8A through 8F" and replacing it with --Figs. 8A-D--. The clean corrected sentence follows:

A3

Refer now to Figs. 3a and 3b in tandem with Figs. 8A-D.

Page 16, Line 3 by deleting "Fig. 3" and replacing it with --Figs. 3a and 3b--. The clean corrected sentence follows:

A4

Vertical lines can be introduced into the chart lines using the Mark command, and here, in the next row after a blank row is a Mark command that writes all its marks into the cut between cycle 10 and cycle 48, so no display appears in Figs. 3a and 3b.

Page 16, Line 14 by deleting "Fig. 3" and replacing it with --Figs. 3a and 3b--. The clean corrected paragraph follows:

A5

Toward the bottom of Fig. 8B, the row marked "Info / Mark #T ns. Third test of text" causes arrows to be drawn between the text box and points at 80 and 488 nanoseconds (the time units of this figure), and the calculation result is placed into the "#T" symbol in its location within the label. You will note that on

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Figs. 3a and 3b this calculation is 0.5 ns off. This is because the column in the spreadsheet row where the 488 appears has been shortened and the rounding error has been introduced into the .xls display, but since the TPlot procedure gets its data from the Excel program, the original number, 487.5 (not shown) is used in the calculation. This is a calculation done in the Visual Basic program TChart, not by Excel, in this case.

Page 16, Line 21 by deleting "Fig. 8c" and replacing it with --Fig. 8C--. The clean corrected paragraph follows:

AL6
Another feature worth noting is illustrated with reference to the bottom of Fig. 8C showing a label "Skip line" and in the next line a Glitch being forced to appear off the right side of the page. Later versions of the program allow a statement Skip Line to be handled by a new command of that name, to allow an unlabeled line skip.

Page 16, Line 25 by deleting "at the top of Fig. 6E". The clean corrected paragraph follows:

A7
Finally, the appearance of the word "END" in a first column indicates that any data following that is to be ignored and that the TPlot routine has completed its work with respect to this .xls spreadsheet file. Data after that can be used for referenced formulae for calculations, holding drafts of lines, and the like as may be desired by the user.
